Program EVALPLOT
(Version 2018-1)
by
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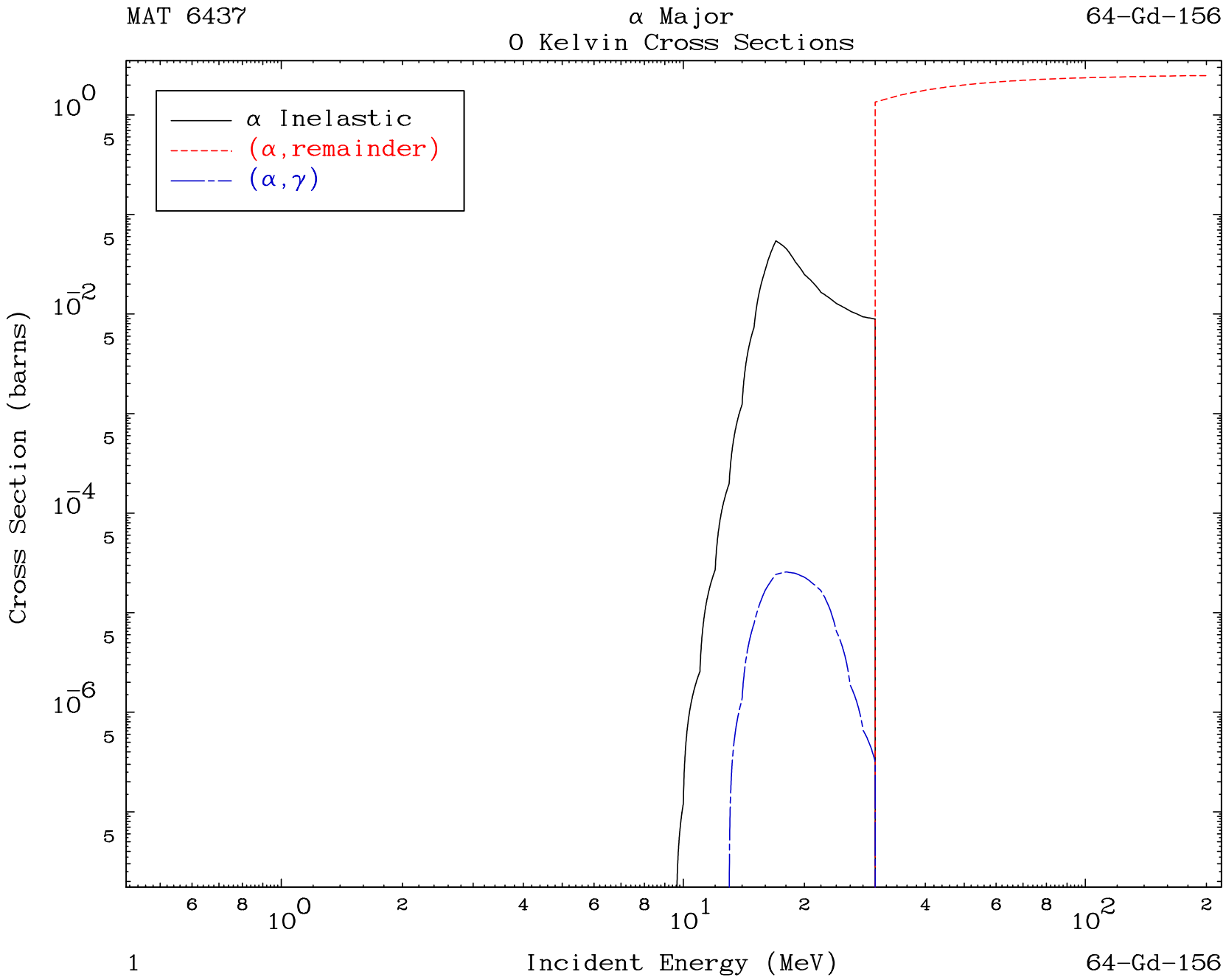
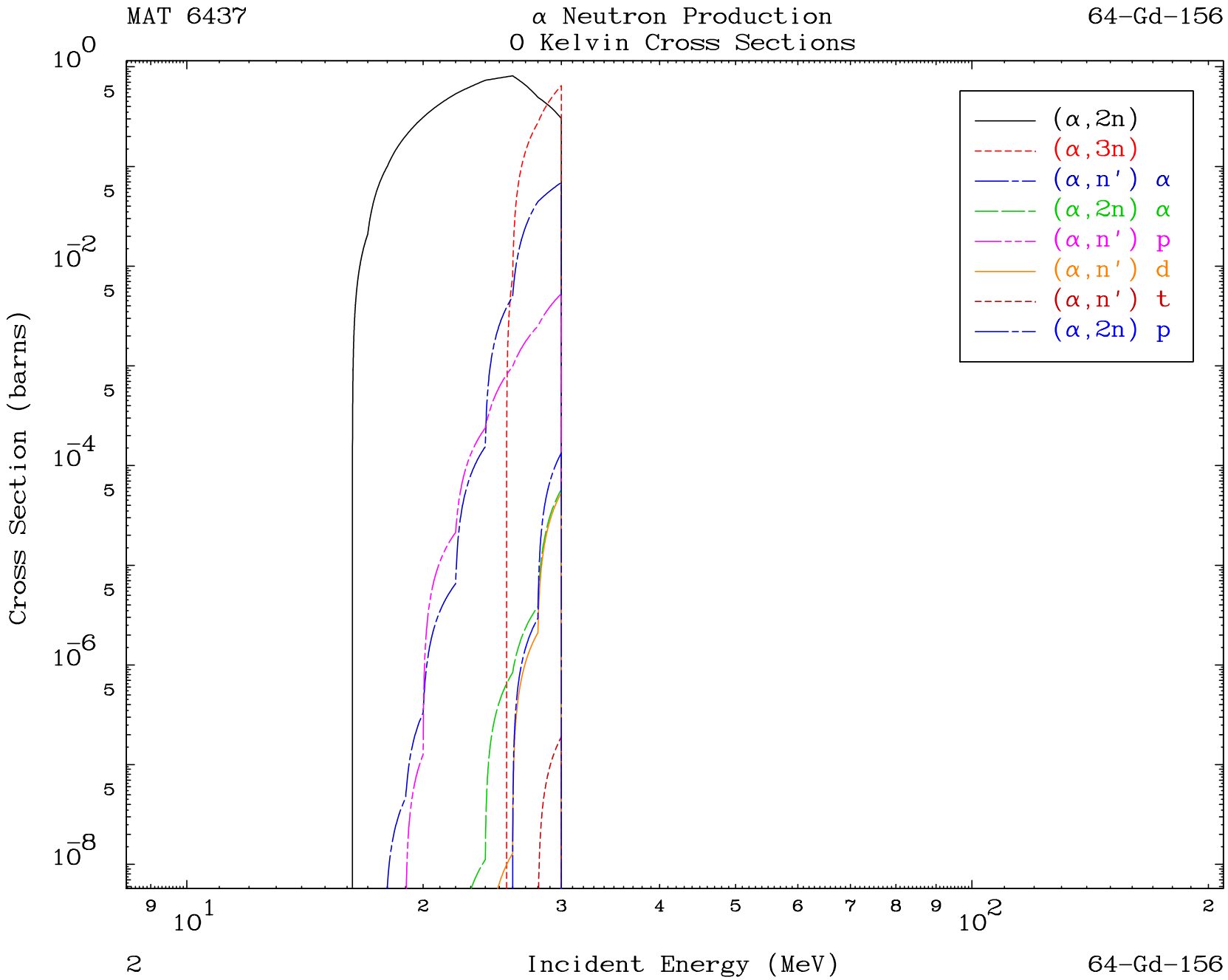
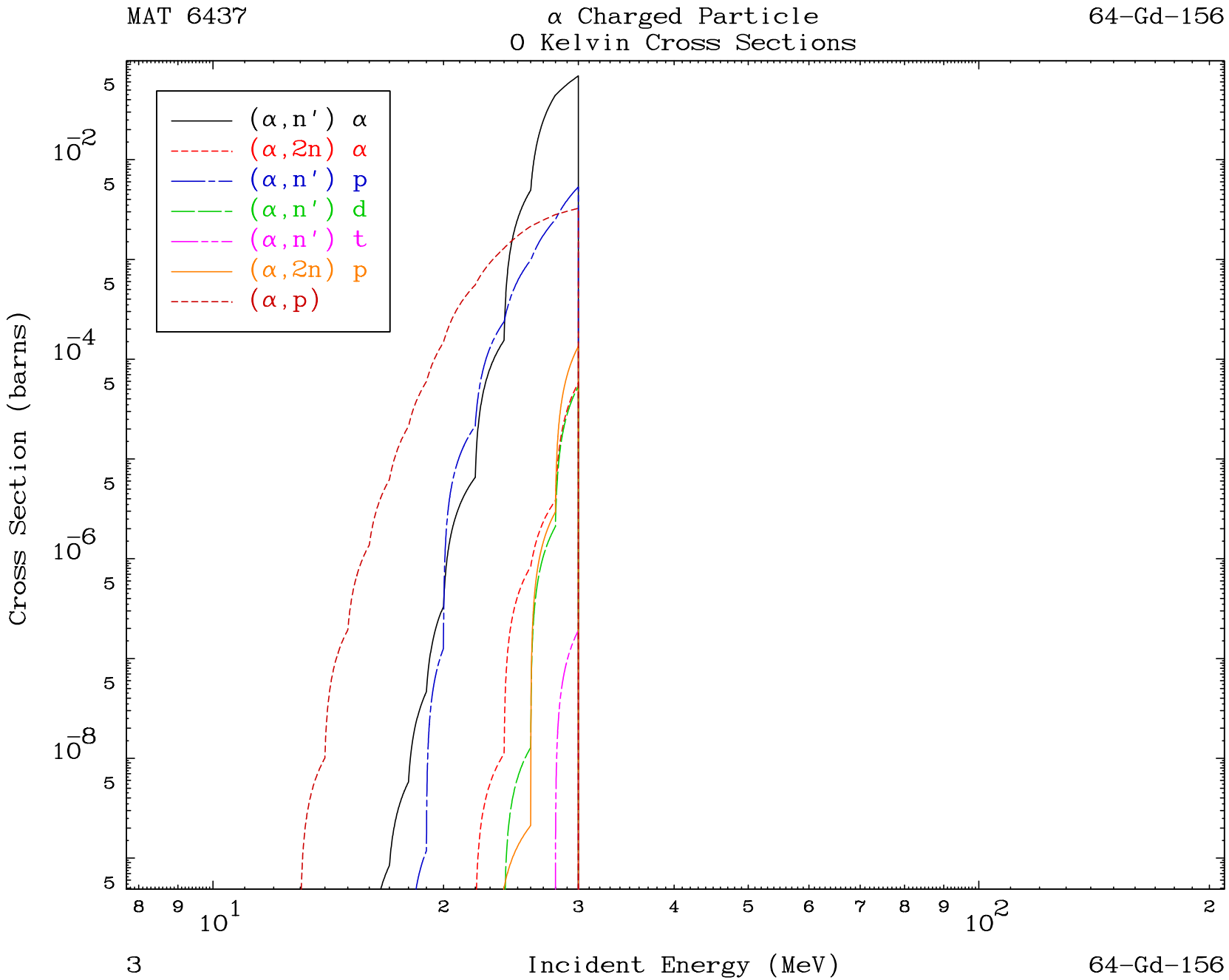
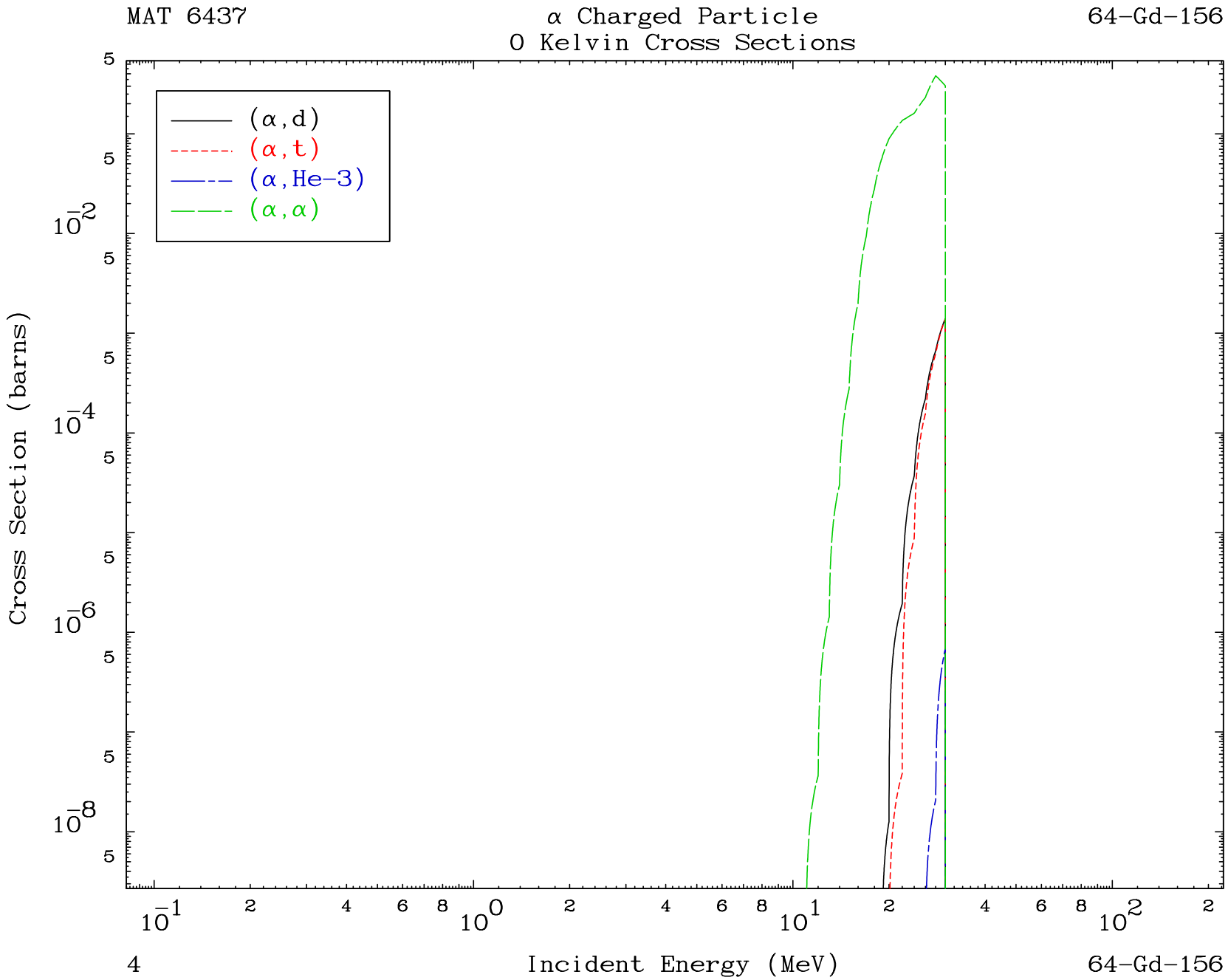
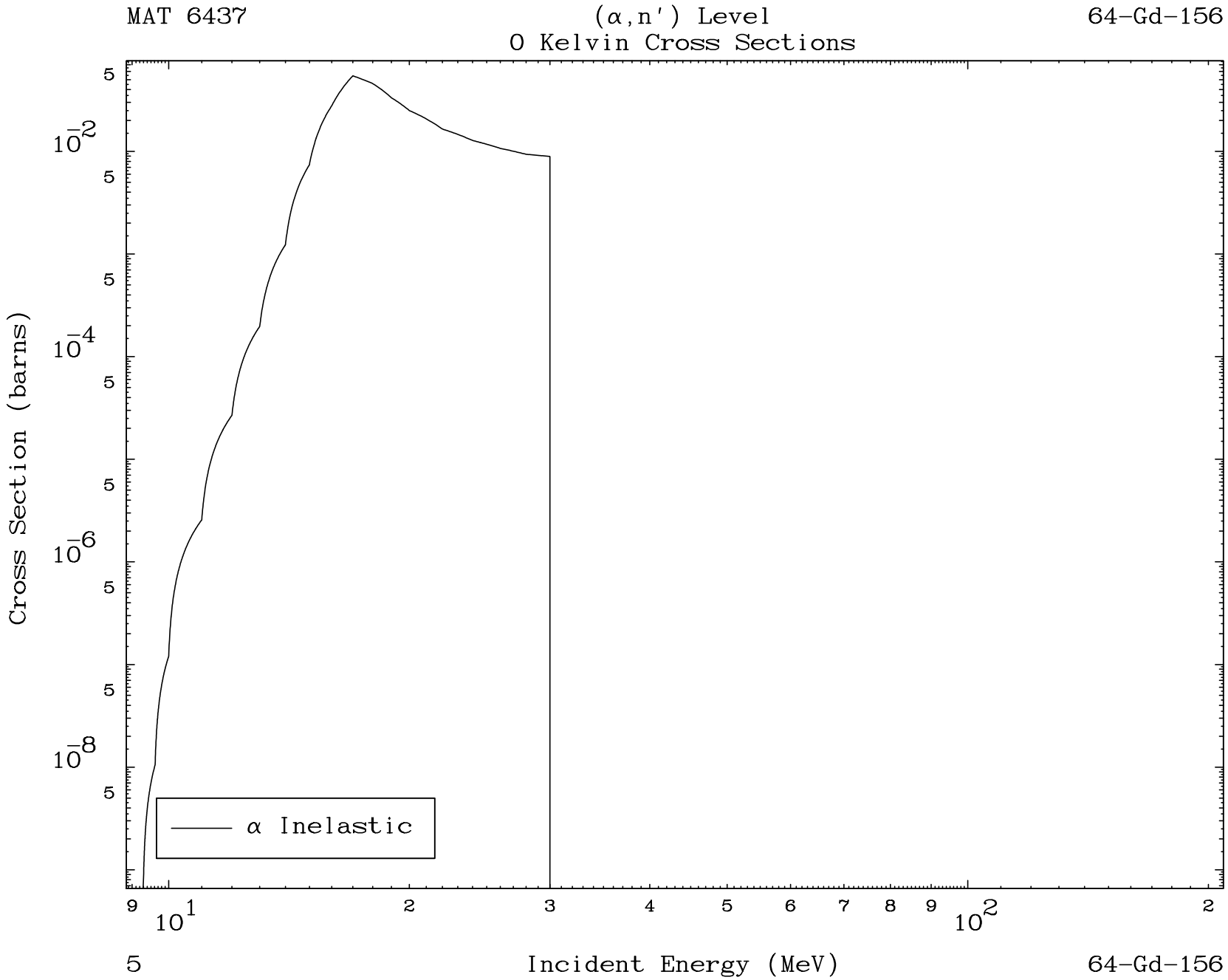
Press Mouse Button to Start

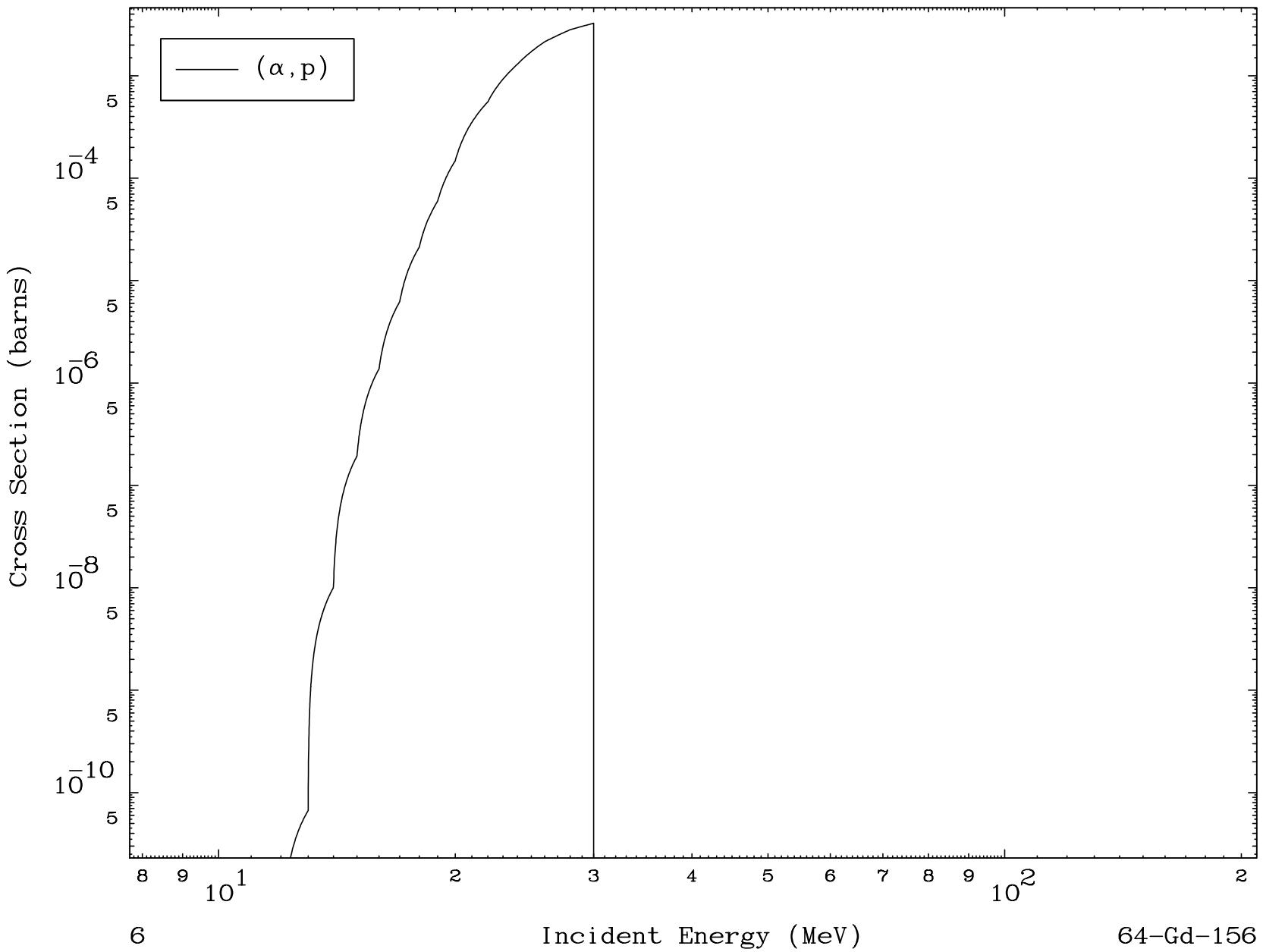

MAT 6437
α Major
64-Gd-156
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
64-Gd-156
1

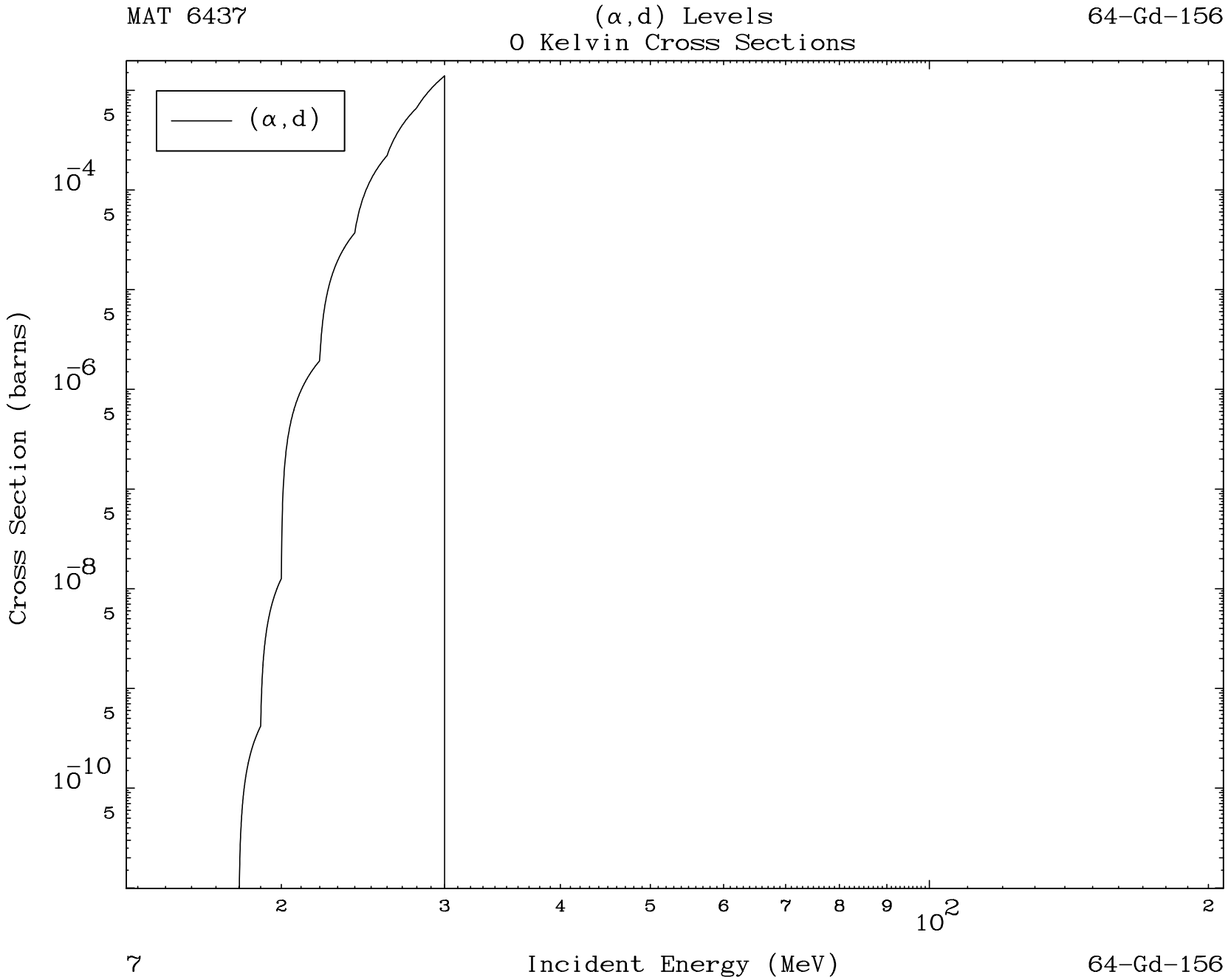

MAT 6437
α Neutron Production
0 Kelvin Cross Sections
64-Gd-156
Cross Section (barns)
Incident Energy (MeV)
64-Gd-156
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p

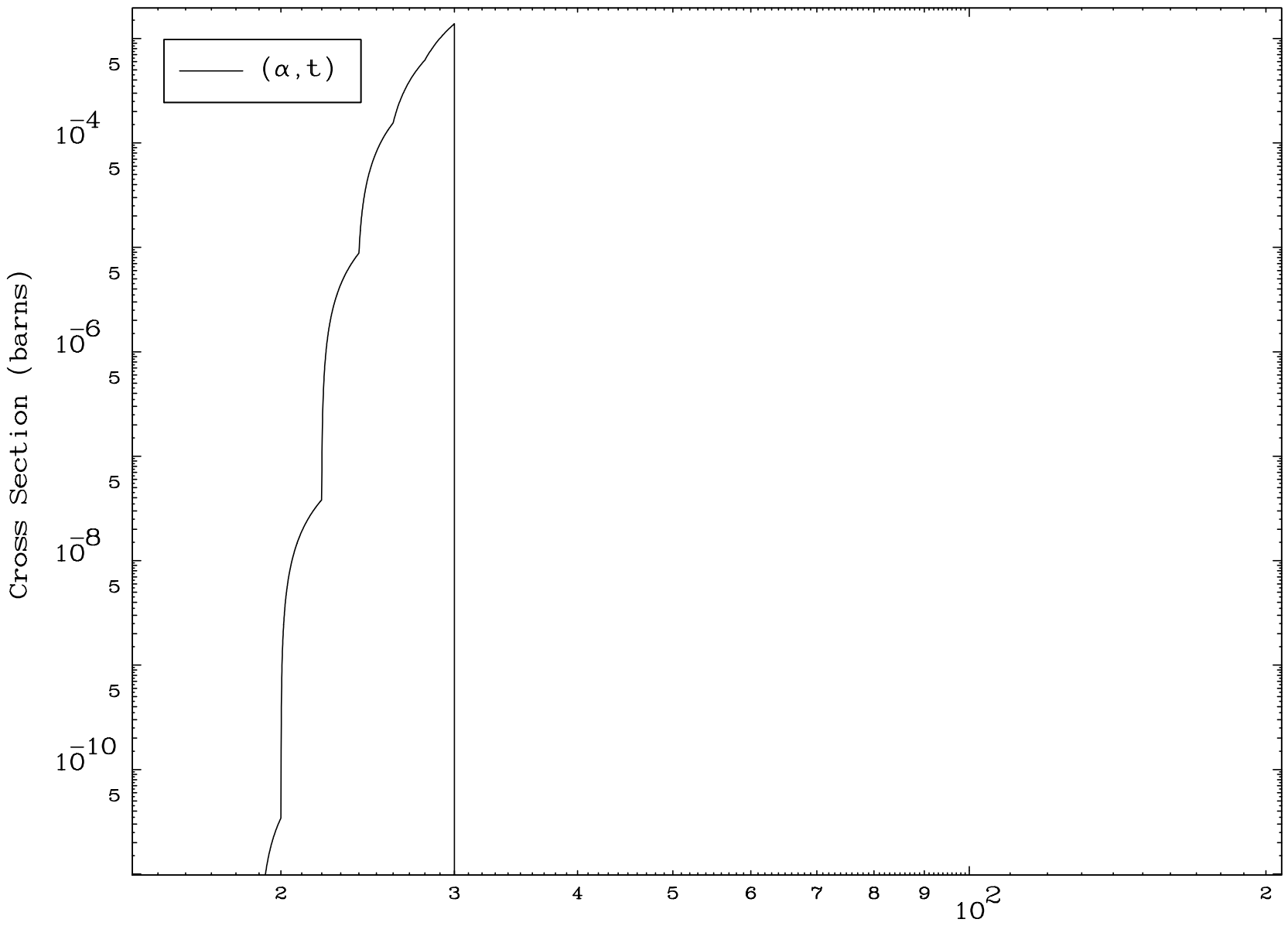

MAT 6437
α Charged Particle
0 Kelvin Cross Sections
64-Gd-156
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p
(α,p)
Cross Section (barns)
Incident Energy (MeV)
3
64-Gd-156

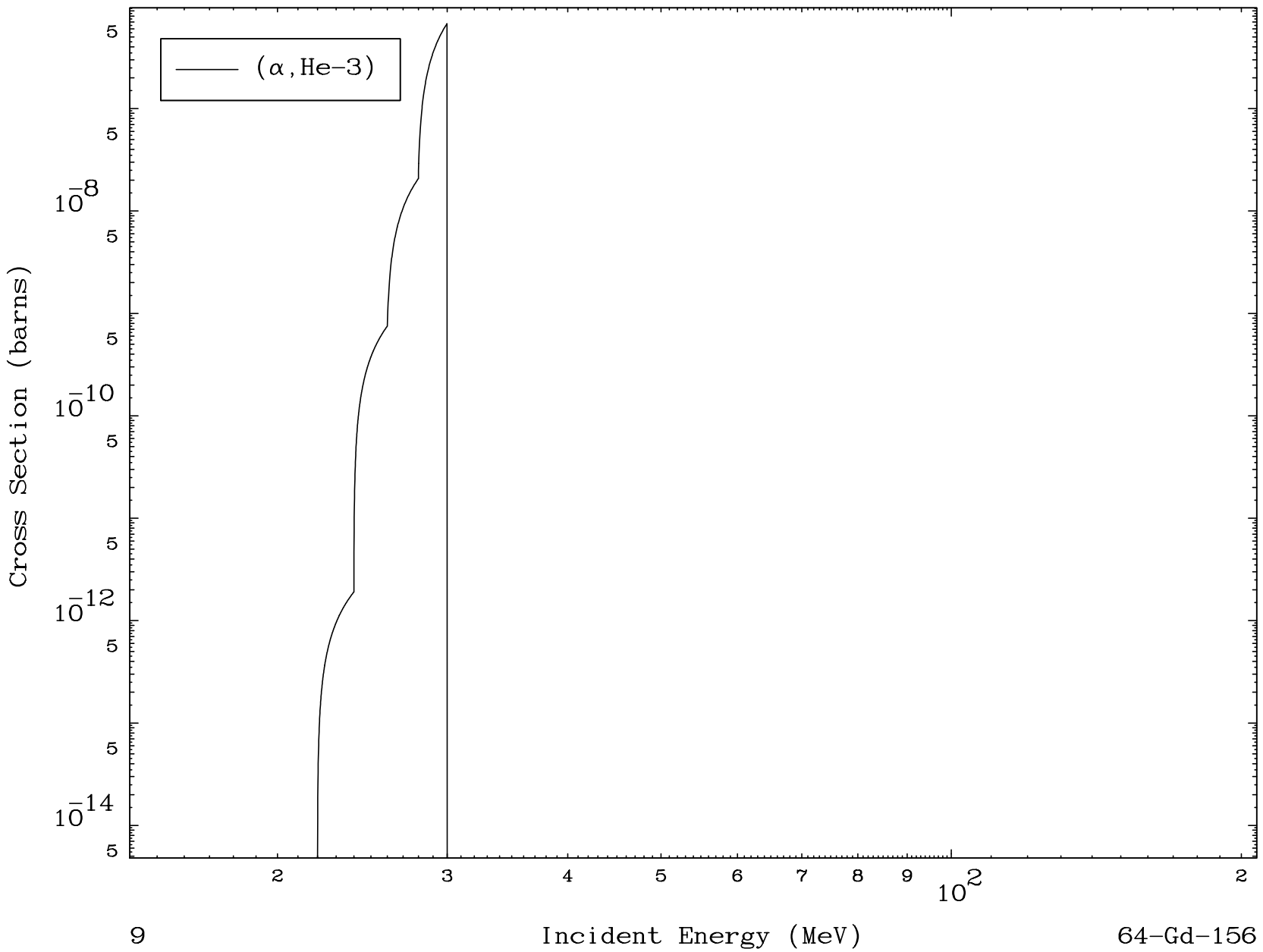

MAT 6437
α Charged Particle
0 Kelvin Cross Sections
64-Gd-156
(α,d)
(α,t)
(α,He-3)
(α,α)
Cross Section (barns)
Incident Energy (MeV)
64-Gd-156
4

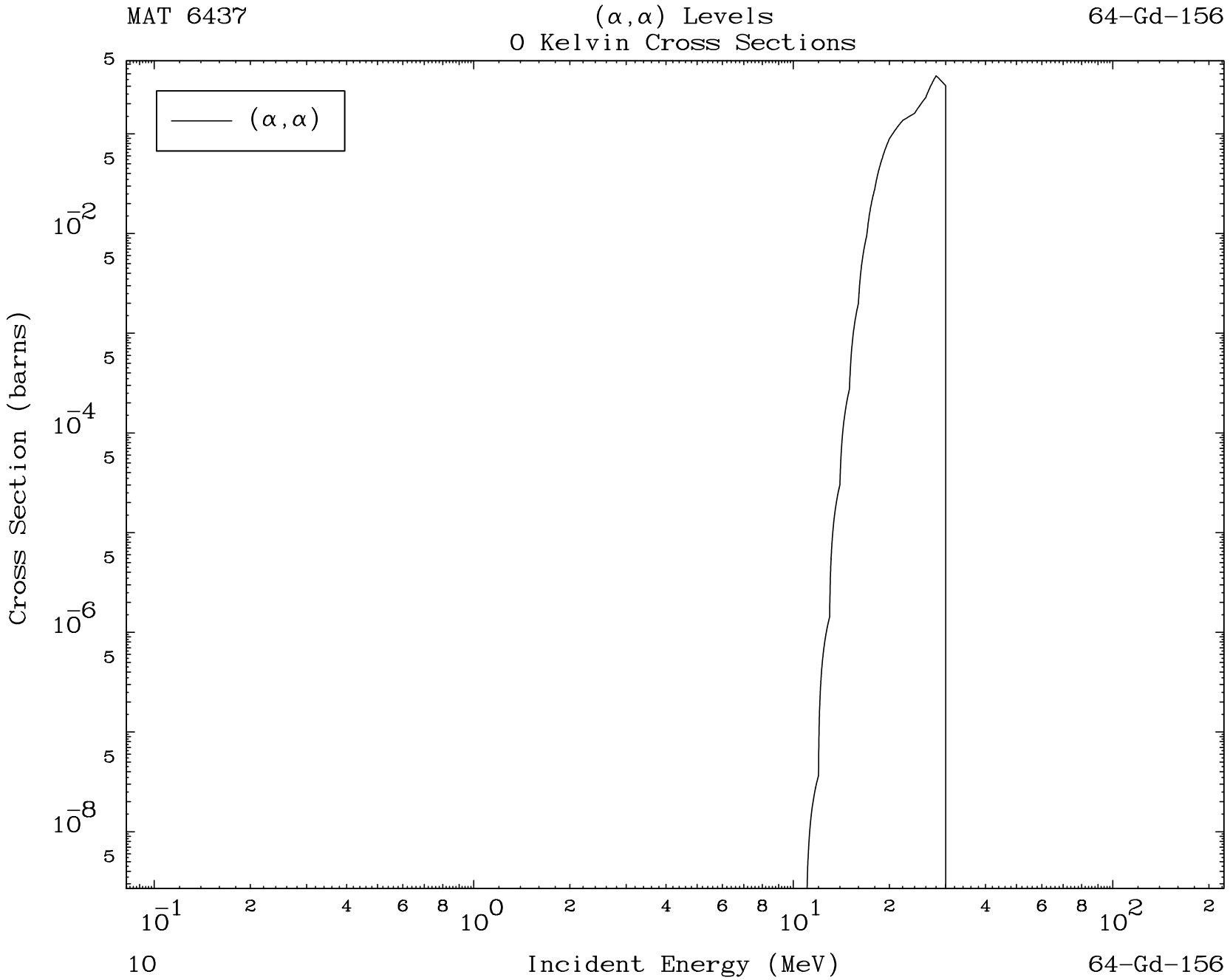

MAT 6437
(α,n') Level
64-Gd-156
0 Kelvin Cross Sections
Cross Section (barns)
10-2
10-4
10-6
10-8
α Inelastic
9 10^1 2 3 4 5 6 7 8 9 10^2 2
5
Incident Energy (MeV)
64-Gd-156

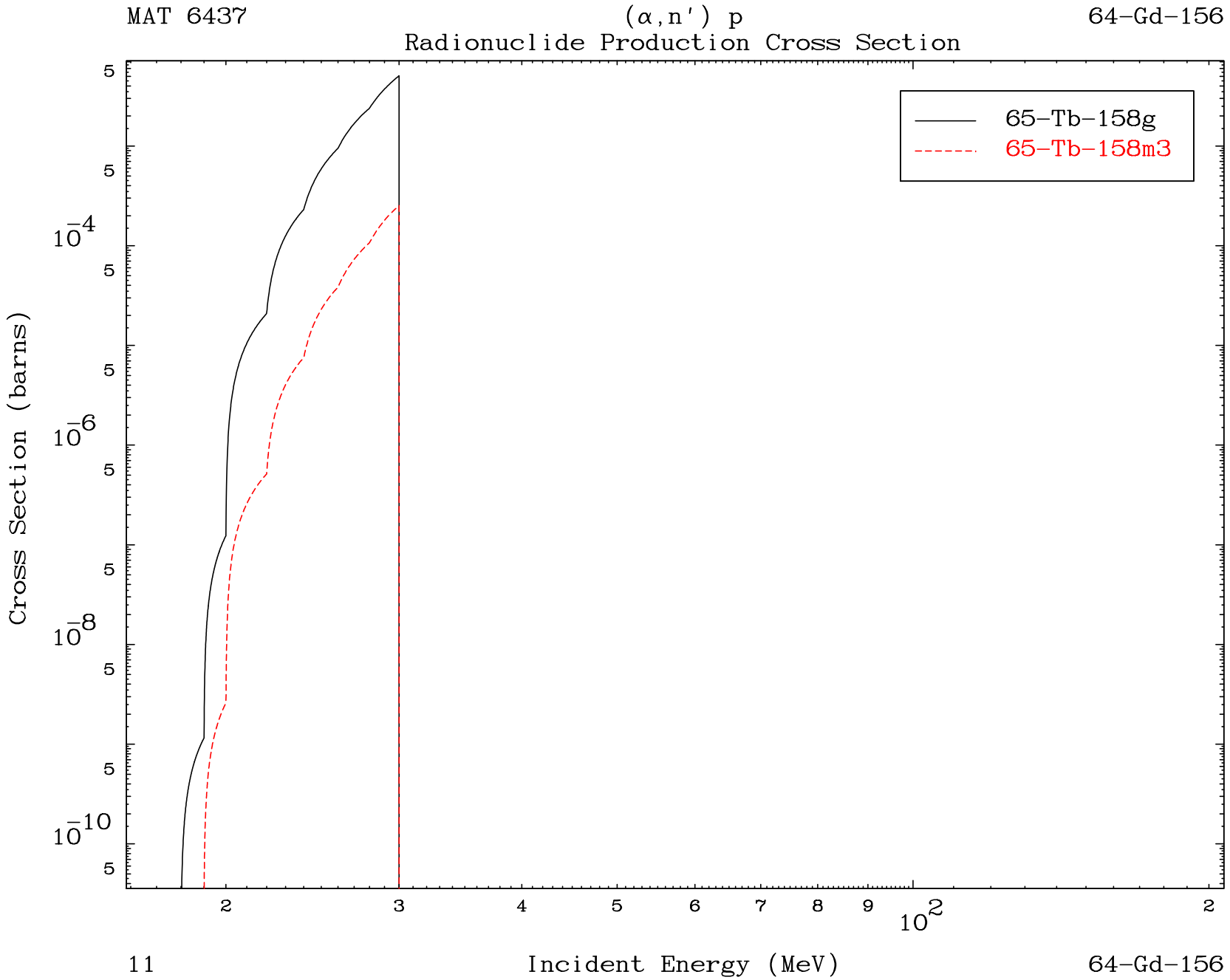

0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)

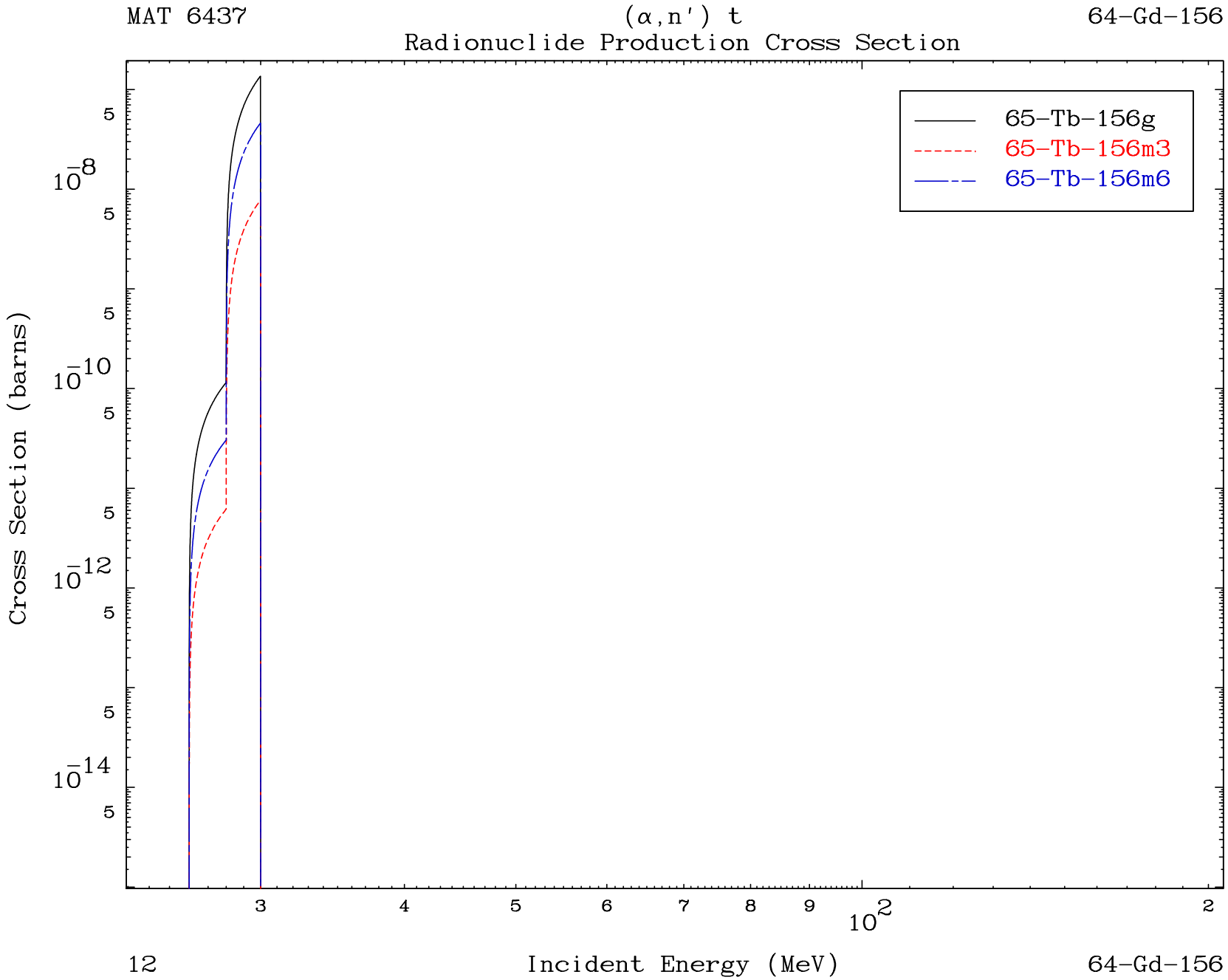

MAT 6437
(α,d) Levels
64-Gd-156
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
7
64-Gd-156

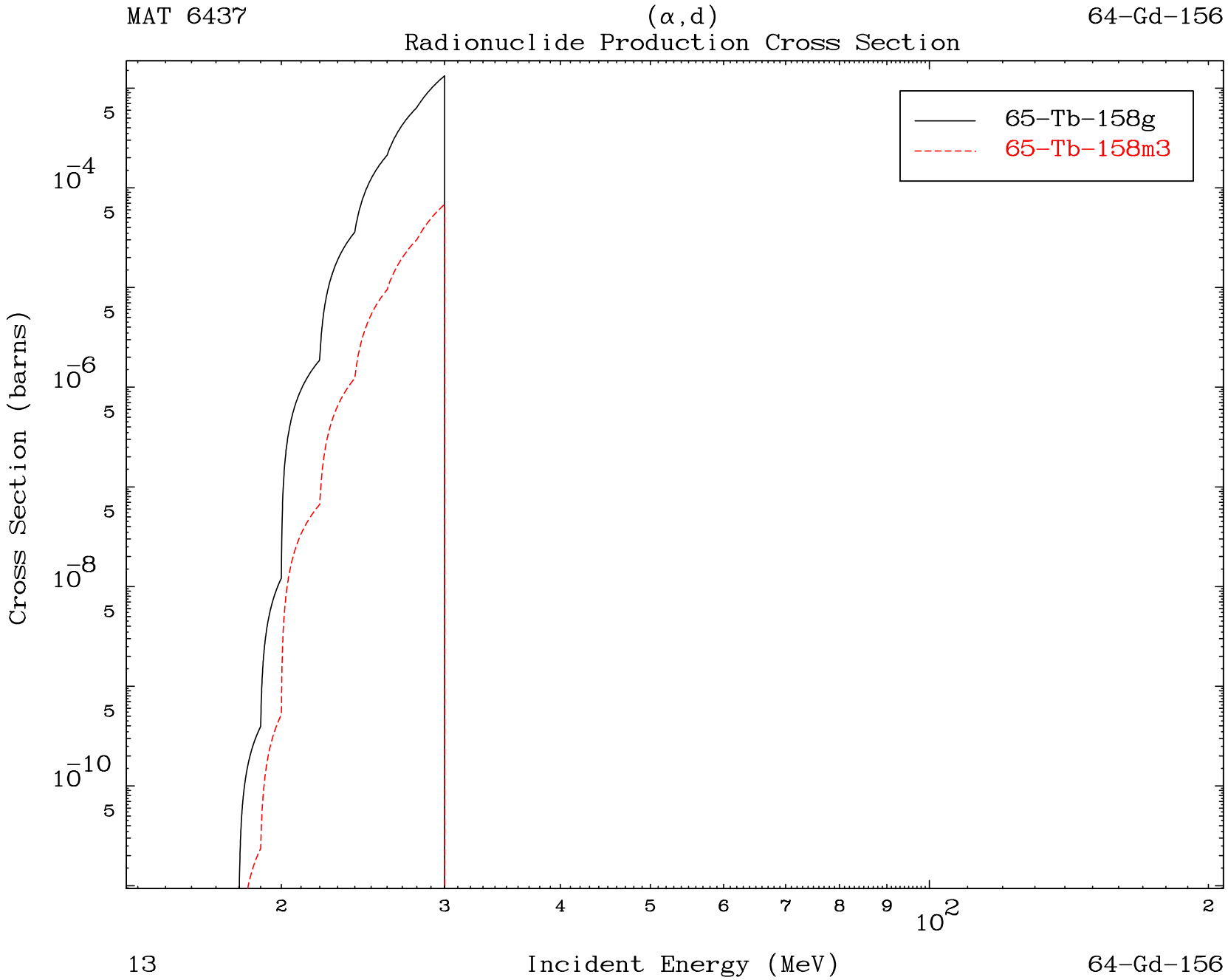

0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)


0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)


MAT 6437
(α,α) Levels
64-Gd-156
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
Incident Energy (MeV)
64-Gd-156


MAT 6437
(α,n') p
64-Gd-156
Radionuclide Production Cross Section
65-Tb-158g
65-Tb-158m3
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
11
Incident Energy (MeV)
64-Gd-156


MAT 6437
(α,n') t
64-Gd-156
Radionuclide Production Cross Section
65-Tb-156g
65-Tb-156m3
65-Tb-156m6
Cross Section (barns)
10-8
10-10
10-12
10-14
5
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
64-Gd-156


MAT 6437
(α,d)
64-Gd-156
Radionuclide Production Cross Section
65-Tb-158g
65-Tb-158m3
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
13
Incident Energy (MeV)
64-Gd-156